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STEP UP INSULATOR, INSULATING MATERIALS OUTPUT

PRODUCE DISCHARGERS, INSULATORS, SWITCH HOUSINGS FOR PROJECTS -- Leningradskaya  
Pravda, 3 Jun 51.

The Leningrad Proletariy Insulator Plant was the first in the USSR to  
organize the production of the new valve dischargers for protecting electrical  
systems. The plant recently organized the production of 154- and 220-kilovolt  
dischargers.

In April, the plant was asked to complete an order, ahead of time, for  
insulators for installation work at the Volga-Don Canal project. The second  
lathe shop promised to ship these articles ahead of time and kept its word.  
The second lathe shop also makes insulators weighing almost a ton and made  
up of 17 segments.

Until recently, porcelain insulators were dried in steam dryers, a  
method which took 48 hours and did not produce first-quality goods. Aided  
by scientific workers of the Leningrad Branch of the State Scientific Research  
Electroceramics Institute, the plant has adopted electric drying of porcelain  
articles, which has shortened the drying time and improved the quality of the  
articles.

The Proletariy Plant produces more than 25 type designations of products  
for the construction projects: insulators, dischargers, and safety devices.  
The plant is already working on third-quarter 1951 orders for some of the  
projects.

The plant was recently directed to make experimental models of a  
400-kilovolt discharger, and has already started research work on this  
assignment.

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Ashkhabad, Turkmeneskaya Iskra, 6 Jun 51

The Leningrad Proletariy Insulator Plant has organized the output of housings for oil and air switches for the projected Volga hydroelectric stations and on high-voltage power lines. The housing is  $\frac{1}{2}$  meters high and  $1\frac{1}{2}$  meters in diameter. The first housing has been shipped to the Leningrad Elektroapparat Plant.

Yerevan, Kommunist, 24 Aug 51

The Leningrad Proletariy Insulator Plant has been given the task of making porcelain jackets for 400-kilovolt transformers. These jackets are made in two parts, each of which weighs 950 kilograms. Plant engineers, aided by scientific workers of the State Scientific Research Electroceramics Institute, have mechanized the production of these huge insulators. The plant has already turned out the first experimental models of jackets made by the new process.

The plant is preparing to make 400-kilowatt insulators for the Kuybyshev GES project by the new process.

PLANT SHIPS INSULATORS -- Ashkhabad, Turkmeneskaya Iskra, 16 Jun 51

The Slavyansk Fittings and Insulator Plant imeni Artem has shipped dozens of carloads of insulators to the construction projects this year. A consignment of experimental fittings has been shipped to the Kuybyshev GES project. The plant recently shipped a large consignment of low- and high-voltage insulators to the Main Turkmen Canal project ahead of time.

IMPROVE PROCESSES IN INSULATOR MANUFACTURE -- Moscow, Moskovskaya Pravda, 6 Jul 51

In one year, the Moscow Izolyator Plant has doubled the speed with which insulators are molded, cast, and pressed. This was accomplished by consolidating three shops into one, the semifabricated goods shop, which has made it easier to direct production.

Radical changes have been made in the technology of production. Until recently, it was unheard of to perform the finishing operations on porcelain articles with a moisture content greater than one percent. Now finishing operations (which account for half the labor consumption of insulators) are performed with the moisture content as high as 14 percent. This speeds up the production cycle and reduces dust in the machining operations.

High-frequency currents are used in drying the porcelain, reducing drying time from 8-10 days to 2-3 hours.

Racks were set up in the casting shop so that idle space under the roof could be utilized. Hoists lift the castings up onto the racks.

The most labor-consuming operations have been mechanized. Castings, formerly poured with a funnel, are now poured by means of pipes and pumps.

M. Karelin has set up a multicutter machine tool which enables even an unskilled worker to finish castings accurately.

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The Izolyator Plant was given the task of making special lead-in insulators for high-voltage lines. Plant designers and technologists, aided by the All-Union Electrical Engineering Institute, conducted countless experiments and tests. Every part of this 7-meter-high insulator, from the 2-ton hood to a nut weighing several grams, had to be redesigned. The first of these insulators has been built and successfully tested.

**SHIPS INSULATORS AHEAD OF TIME --** Moscow, Moskovskiy Komsomolets, 11 Jul 51

The Moscow Izolyator Plant completed its 6-month program on 19 June. The plant shipped insulators to the Kuybyshev and Stalingrad GES projects ahead of time.

Now the plant is filling this quarter 1951 orders, and is shipping 220-kilovolt lead-in insulators to the Tsimlyanskaya GES project.

**MAKES INSULATING MATERIALS FOR PROJECTS --** Moscow, Izvestiya, 2 Jun 51

The Petropavlovsk Insulating Materials Plant makes varnished cotton cloth and resin tape for the Stalingrad and Kuybyshev GES projects. It has already fulfilled its 1951 quota for these materials.

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